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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Nan Xie

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EXAMINER

PATEL, CHIRAG R

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/648,951	Applicant(s) XIE ET AL.	
	Examiner CHIRAG R. PATEL	Art Unit 2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-10 and 12-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-10 and 12-50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 29, 2008 has been entered.

Response to Arguments

Applicant's arguments filed February 29, 2008 have been fully considered but they are not persuasive. A discussion of the amended claims is provided below in the body of the rejections. Examiner notes that claims 3 and 11 are cancelled by the applicants.

Claim Objections

Claims 4-5, and 30-31 are objected to because of the following informalities:

As per claims 4-5, the claims are identical per verbatim including the dependencies, "The method of Claim 1, ... client application." Appropriate correction is required.

As per claims 29-30, the claims are identical per verbatim including the dependencies, "The method of Claim 17, ... client application." Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2, 4-10, and 12-50 are rejected under 35 U.S.C. 102(e) as being anticipated by Fletcher (US 2007/0233871).

As per claim 1, 17, 49, and 50, Fletcher discloses a method for handling requests for web services, the method comprising the computer-implemented steps of:

receiving at a web services broker, from a client application, a request for information from a particular web service, the request having first data that cannot be used by said particular web service to service requests for said information; ([0094]; A transformation is required in this example before the data can be passed between the programmatic portlets. This transformation will be performed by convert-let 1850, which has been programmatically retrieved from the transformation registry 1805, as shown at 1852, reads on claim limitations, the request having first data that cannot be used by said particular web service); [0095], Figure 18)

wherein the particular web service serves as a source of said information, is separate from the web services broker, and has characteristics that are described in Web Service Description Language and are published in a Universal Description, Discovery, and Integration registry; ([0010], [0046])

wherein the client application is separate from the web services broker and does not have logic for directly interacting with said particular web service; ([0094],[0095]; Programmatic portlets are modeled as web service intermediaries to either local software resources or remote resources, and/or other portlets., logic is performed by programmatic portlet; Figure 18)

in response to receiving said request, the web services broker accessing transformation information that specifies how to transform said first data associated with said request to second data that said particular web service can use to service requests for said requested information, ([0094],[0095], Figure 18)

how to invoke said particular web service in a manner required by said particular web service, to obtain said requested information from said particular web service, and([0094],[0095], Figure 18)

how to transform a plurality of first data each from a respective client application of a plurality of client applications, to a plurality of second data each for a respective web service of a plurality of web services; ([0094],[0095], Figure 18)

based on said transformation information, the web services broker performing the steps of:

transforming said first data to said second data; and ([0094],[0095], Figure 18)

invoking, in said manner required by said particular web service, said particular web service to obtain said requested information from said particular webservice. ([0094],[0095], Figure 18)

As per claim 2, Fletcher discloses the method of claim 1, further comprising the steps of:

receiving, from said particular web service, said requested information; and transforming, based on said transformation information, said requested information to data that said client application can use. ([0012], [0094],[0095], Figure 18)

As per claims 4-5, and 29-30, Fletcher discloses the method of claim 1, wherein said transformation information includes a mapping of first data from a first particular client application to second data that a web service can use, and a mapping of first data from a second particular client application to second data that a web service can use, and wherein said first data from said first particular client application has a different form than said first data from said second particular client application. ([0012], provide service requesters with transparent access to program components which may reside in one or more remote locations, even though those components might run on different operating systems and be written in different programming languages than those of the requester, [0094],[0095], Figure 18)

As per claims 6 and 31, Fletcher discloses the method of Claim 1, wherein said transformation information includes a mapping of first data from a first client application to second data that a first web service can use and to second data that a second web service can use, and wherein said first web service is different than said second web service. [0094], [0095], Figure 18)

As per claim 7, Fletcher disclose the method of Claim 1, further comprising the computer-implemented steps of:

based on said transformation information, determining whether to use RPC style of communication or messaging style of communication to invoke said particular web service. ([0072],[0085])

As per claim 8, Fletcher discloses the method of Claim 1, further comprising the computer-implemented steps of:

based on said transformation information, determining whether to use SOAP encoding to encode a communication for invoking said particular web service. ([0064],[0087])

As per claims 9-10, and 12-16, please see the discussion under claims 1-8 as similar logic applies.

As per claim 18, Fletcher discloses the method of Claim 17, wherein said identification of a particular instance of said client application includes identification of a user of said client application. ([0087])

As per claim 19, Fletcher discloses the method of Claim 17, further comprising the computer-implemented step of:

passing said second data as input to said particular web service to service said request. ([0086])

As per claim 20, Fletcher discloses the method of Claim 19, wherein said transformation information specifies a mapping between said first data output from said client application and data that said particular web service can use as input to determine said requested information; and wherein said step of passing includes passing said second data, according to said transformation information, as input to said particular web service to determine said requested information. ([0094], [0095], Figure 18)

As per claim 21, Fletcher discloses the method of Claim 20, wherein said transformation information specifies a first manner in which said particular web service can be invoked to service requests for said requested information; and wherein said step of passing includes passing said second data in said first manner, to invoke said particular web service to determine said requested information. ([0094], [0095], Figure

18)

As per claim 22, Fletcher discloses the method of Claim 21,
wherein said transformation information specifies a second manner in which said second data is characterized so that said particular web service can be invoked to service requests for said requested information; and ([0094], [0095], Figure 18)

wherein said step of passing includes passing, according to said first manner, said second data that is characterized according to said second manner, to invoke said particular web service to determine said requested information. ([0094], [0095], Figure 18)

As per claim 23, Fletcher discloses the method of claim 22, wherein said second manner includes characterizing said second data according to Simple Object Access Protocol. ([0064])

As per claim 24, Fletcher discloses the method of claim 19, wherein said transformation information specifies a first manner in which said particular web service can be invoked to service requests for said requested information and a second manner in which said second data is characterized in an invocation of said particular web service; and ([0094], [0095], Figure 18)

wherein said step of passing includes passing, according to said first manner, said second data that is characterized according to said second manner, to invoke said

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particular web service to determine said requested information. ([0094], [0095], Figure 18)

As per claim 25, Fletcher discloses the method of Claim 17, wherein said particular web service has characteristics that are described in Web Service Description Language. ([0058])

As per claim 26, Fletcher discloses the method of Claim 25, wherein said particular web service has characteristics that are published in a Universal Description, Discovery, and Integration registry. ([0010],[0046])

As per claim 27, Fletcher discloses the method of Claim 17, further comprising the steps of:

receiving, from said particular web service, said requested information; and ([0010], [0046])

transforming, based on said transformation information, said requested information to data that said client application can use. ([0012], [0094], [0095], Figure 18)

As per claim 28, Fletcher discloses the method of Claim 17, wherein said transformation information specifies how to transform a plurality of first data each from a respective client application of a plurality of client applications, to a plurality of second

data each for a respective web service of a plurality of web services. ([0012], [0094], [0095], Figure 18)

As per claim 32, Fletcher discloses The method of Claim 31, wherein said first web service and said second web service can determine the same requested information, and wherein said second data that said first web service can use is different from said second data that said second web service can use. ([0044], Figure 2)

As per claims 33-48, please see the discussion under claims 17-32 as similar logic applies.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag R Patel whose telephone number is (571)272-7966. The examiner can normally be reached on Monday to Friday from 7:30AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia, can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through

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PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197

(toll free).

/C. R. P./
Examiner, Art Unit 2141

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145